FIG. 1(a)

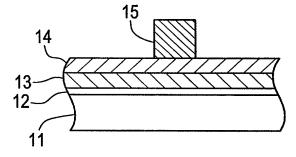


FIG. 1(b)

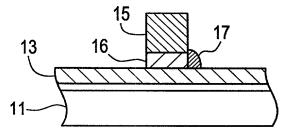


FIG. 1(c)

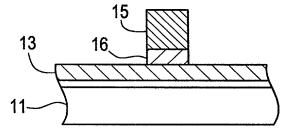
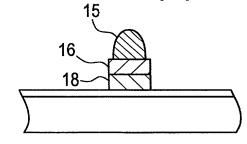
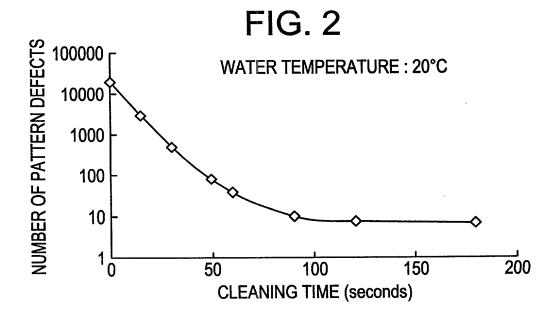
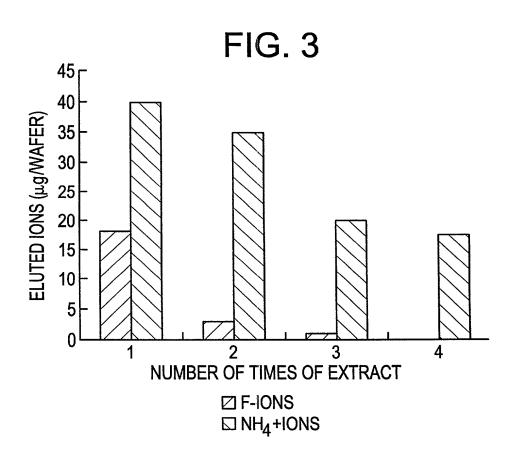
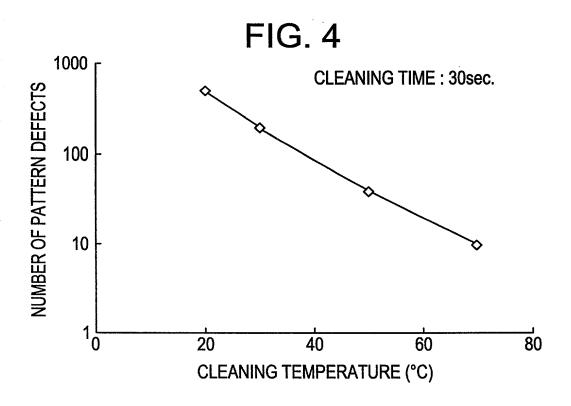


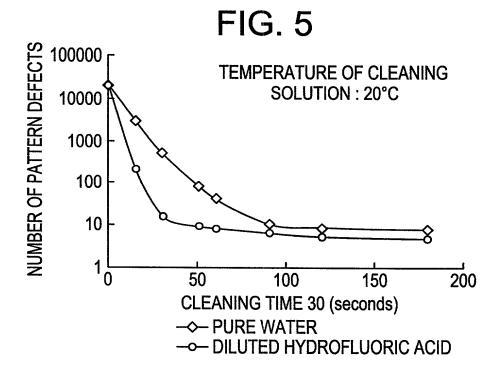
FIG. 1(d)

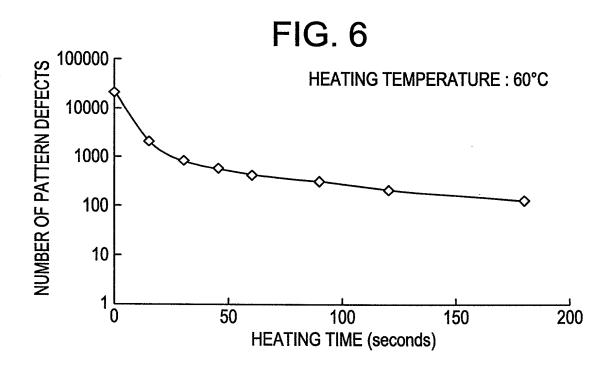


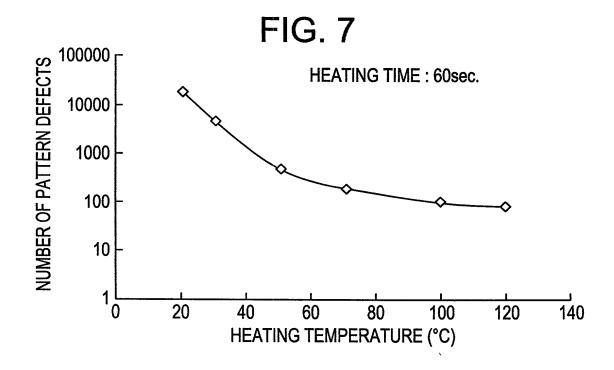


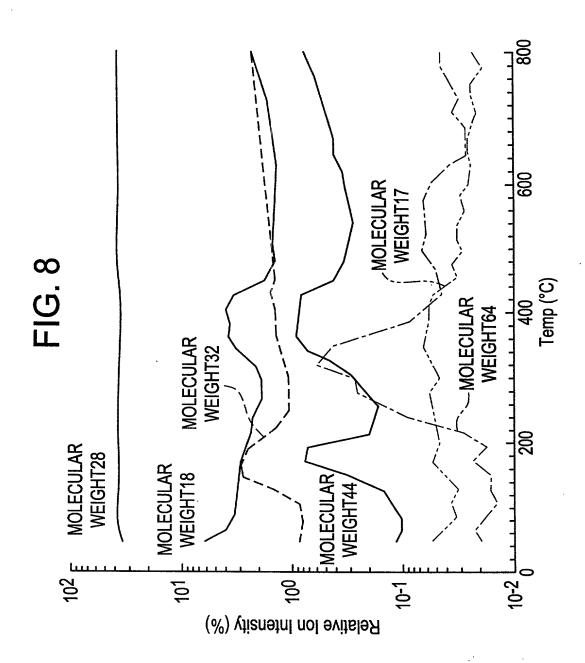


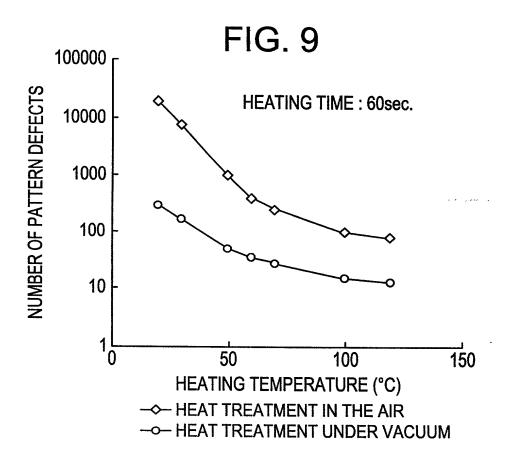


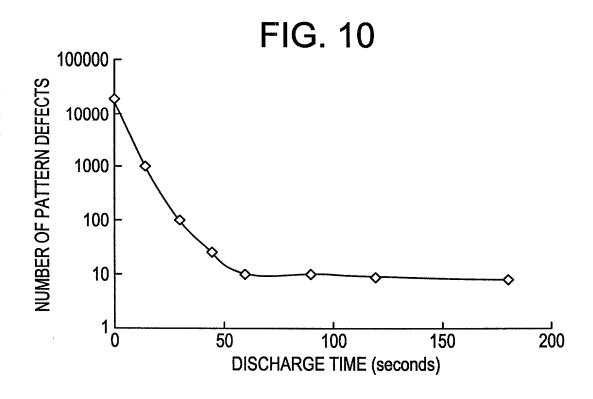












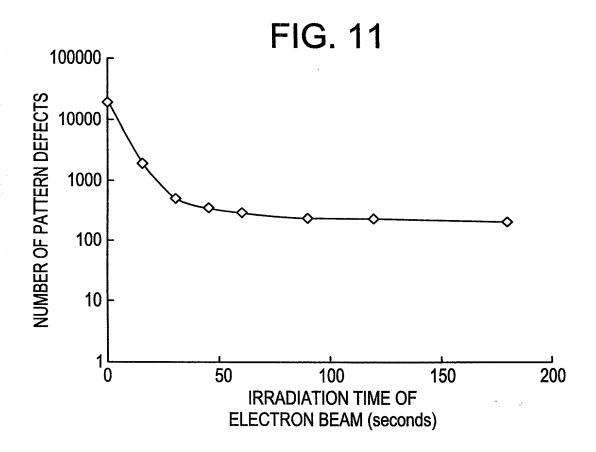


FIG. 12(a)

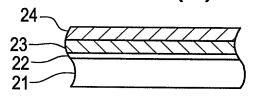


FIG. 12(b)

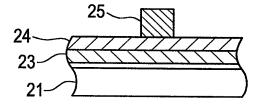


FIG. 12(c)

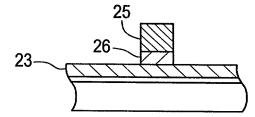
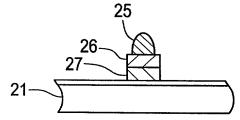
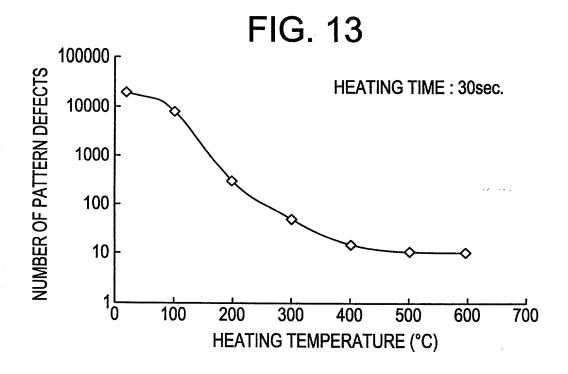


FIG. 12(d)





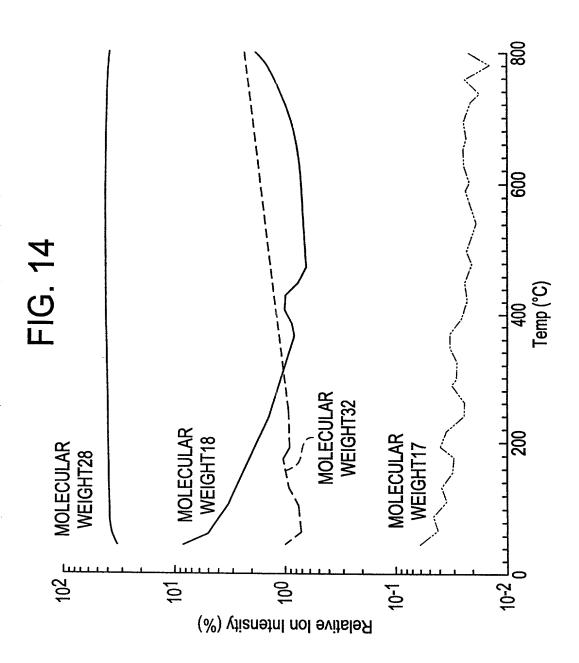


FIG. 15(a)

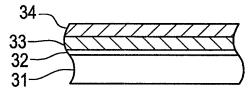


FIG. 15(b)

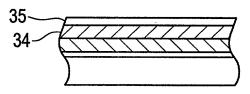


FIG. 15(c)

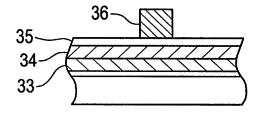


FIG. 15(d)

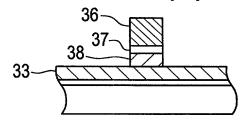
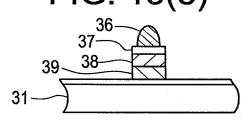


FIG. 15(e)



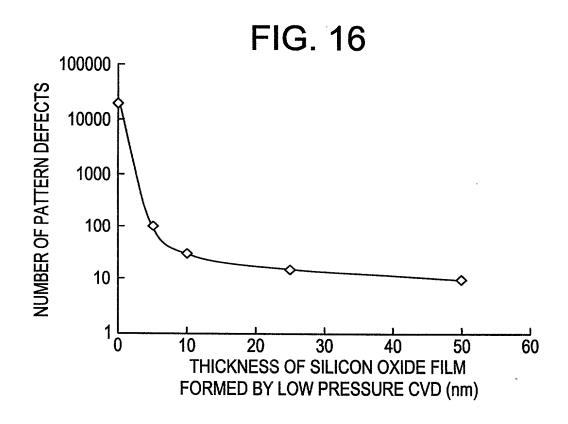


FIG. 17

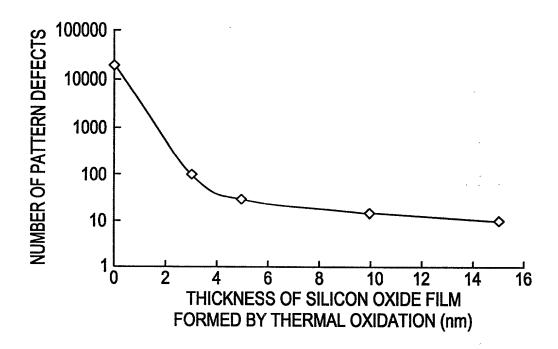


FIG. 18(a)

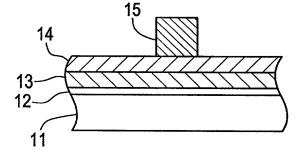


FIG. 18(b)

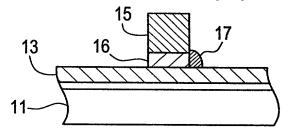


FIG. 18(c)

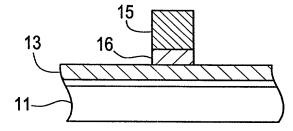
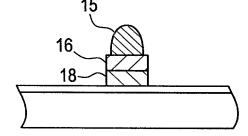
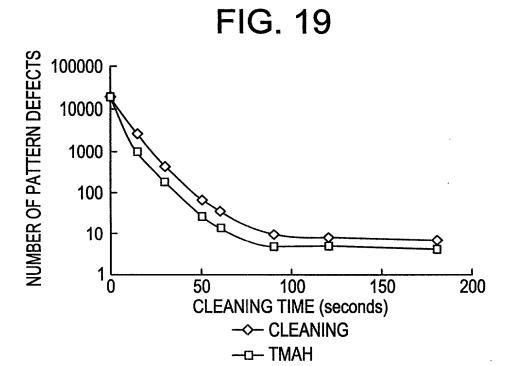
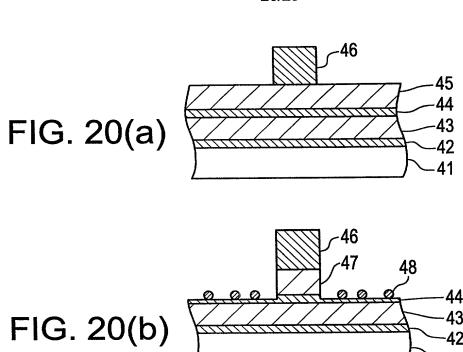
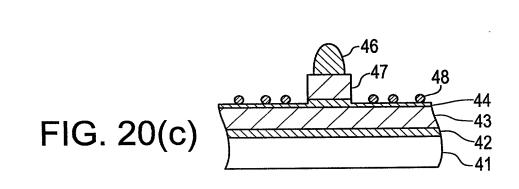


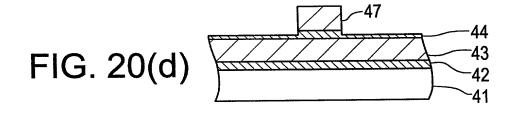
FIG. 18(d)













NUMBER OF PATTERN DEFECTS

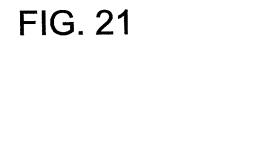
100000 г

10000

1000

100

10



50 100 150 DISCHARGE TIME (seconds) 200

FIG. 22(a)
PRIOR ART

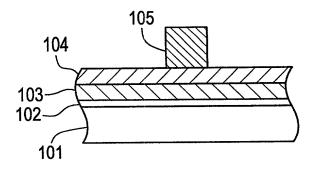


FIG. 22(b)
PRIOR ART

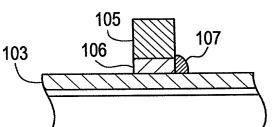


FIG. 22(c) PRIOR ART

102 108 107

FIG. 23(a) PRIOR ART

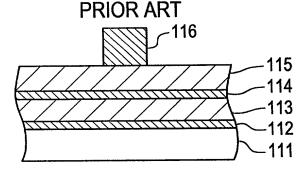


FIG. 23(b) PRIOR ART

116 117 118 0 0 0 0 114 113 112

FIG. 23(c)
PRIOR ART

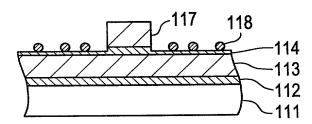


FIG. 23(d)
PRIOR ART

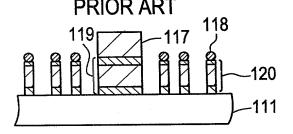


FIG. 24(a)

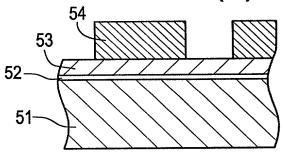


FIG. 24(b)

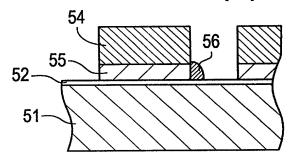


FIG. 24(c)

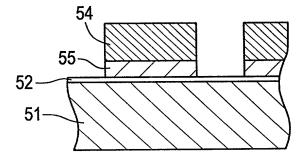
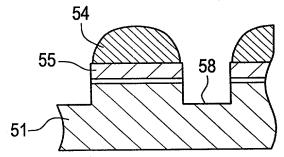
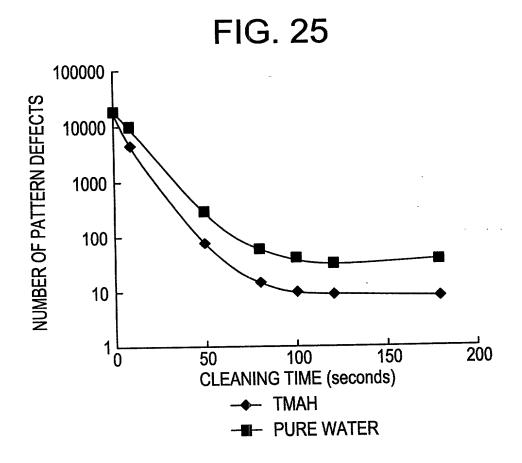


FIG. 24(d)





^{26/29} FIG. 26(a)

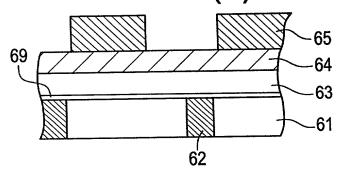


FIG. 26(b)

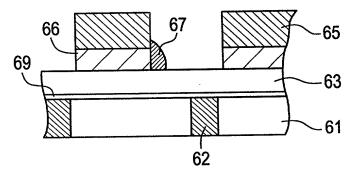


FIG. 26(c)

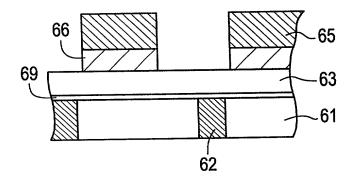
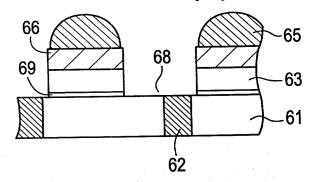


FIG. 26(d)



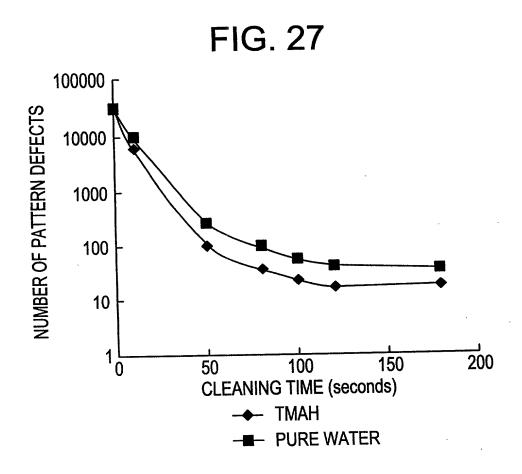


FIG. 28(a)

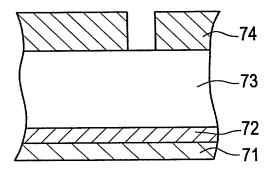


FIG. 28(d)

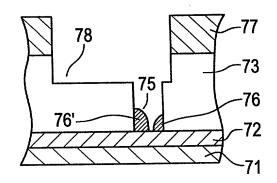


FIG. 28(b)

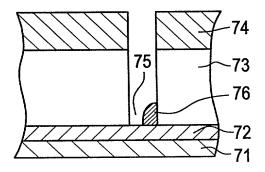


FIG. 28(e)

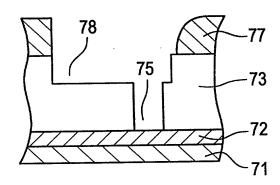


FIG. 28(c)

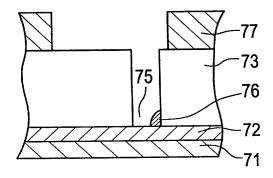


FIG. 28(f)

